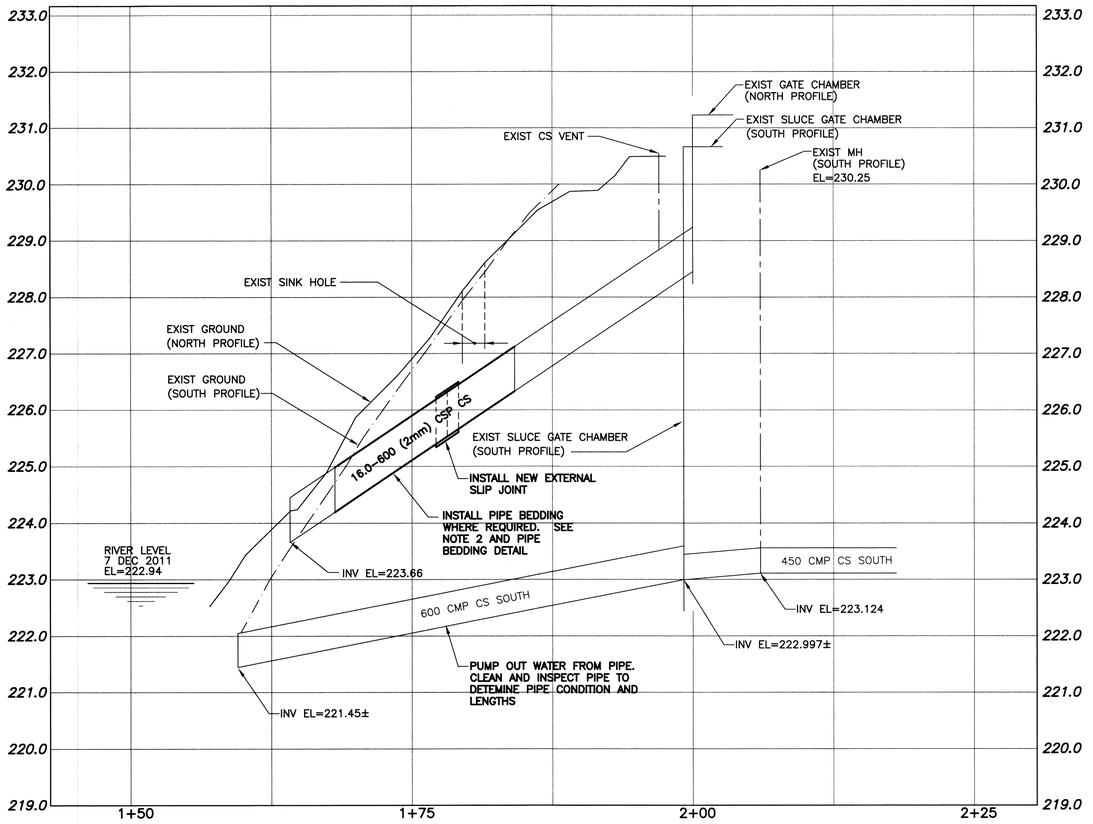
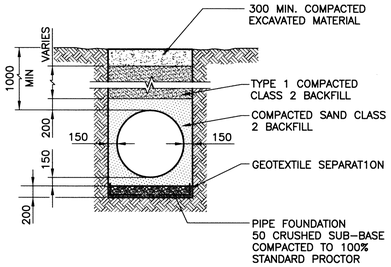




PIPE BEDDING DETAILS

SCALE: 1:50

NOTE:

1. REQUIRED PIPE LENGTH AND BENDS TO BE FIELD VERIFIED PRIOR TO SUBMISSION OF SHOP DRAWINGS
2. INSTALL A PIPE FOUNDATION AS PER PIPE BEDDING DETAILS, WHERE DESIGN PIPE INVERT GRADES IS ABOVE EXISTING INVERT GRADES.
3. RIPRAP ABOVE THE U.W.R.L. (EL 222.000) TO BE SUBCUT INTO THE RIVER BANK AND PLACED FLUSH TO ORIGINAL GROUND
4. ALL EXCAVATED MATERIAL TO BE MOVED OFF SITE

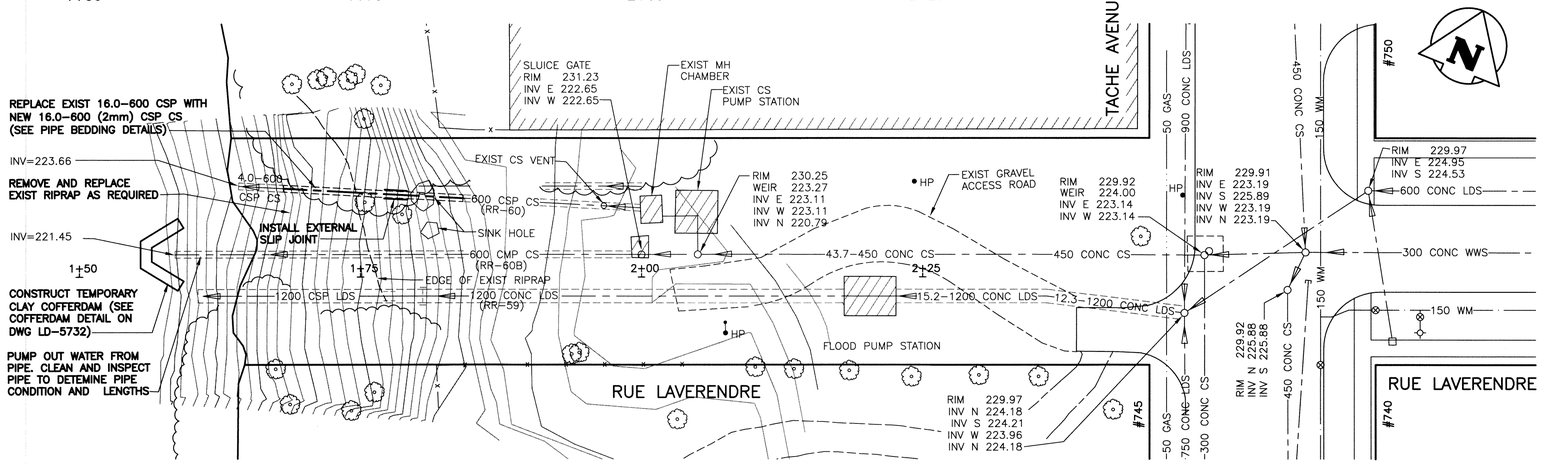
0 1 2 3 4m

VERTICAL SCALE: 1:50 METRIC A1
1:100 METRIC A3

0 5 10 15 20 25m

HOR SCALE: 1:250 METRIC A1
1:500 METRIC A3

PROJECT COMPLETION DATE



RUE LAVERENDRE OUTFALL RR-60 AND RR-60B

PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

WARNING

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
3. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
KGS Group
No. 245

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
300 LDS	LAND DRAINAGE SEWER	300 LDS						
250 WWS	WASTE WATER SEWER	250 WWS		TEST HOLE				
— —	GAS			GUY WIRE				
	HYDRO			LIGHT STANDARD				
— —	M.T.S.			BACK OF CURB				
150 WM	WATERMAIN	150 WM		CONCRETE				
	HYDRANT			ASPHALT				
	VALVE			SIDEWALK			℄ PROFILE	
	MANHOLE			PROPERTY LINE			N/W LANE EDGE	
	CATCH BASIN			SURVEY BAR			S/E LANE EDGE	
	CURB INLET			GEODETIC BENCHMARK			PARKING/DRIVEWAY	
	POLES T-MTS H-HYDRO		231.334	ELEVATION	32.231		WINDOW/DOOR SILL	

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. KGS BASE ELEV. -
DWGS BASED ON C.S.R.S. NAD 83 SYSTEM, UTM GRID

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	11/12/19	

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY	RBO	CHECKED BY	RJH
DRAWN BY	DMW	APPROVED BY	
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION:	
VERTICAL:	1:50	DATE	
DATE	11/11/03		

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.D. OFFMAN
Member 24701
11/12/19
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
11-0107-33_06

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

PROJECT TITLE
2012 OUTFALL RENEWAL/ REHABILITATION PROGRAM
RUE LAVERENDRE OUTFALLS (RR-60 AND RR-60B)
PROPOSED PLAN AND PROFILE

SHEET	OF
06	07

COMPUTER FILE NAME
11-0107-33_06

CITY DRAWING NUMBER
LD-5731

FileName: P:\Projects\2011\11-0107-33\Doc.Control\ToBeIssued\DWG\11-0107-33_LD-5731-Rev 0.dwg - Tab: LD-5731 Plotted By: DDeroche 11/12/19 [Mon 2:49pm]
A:1/PLOT SCALE:1=1